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## **EUROPEAN PATENT APPLICATION**

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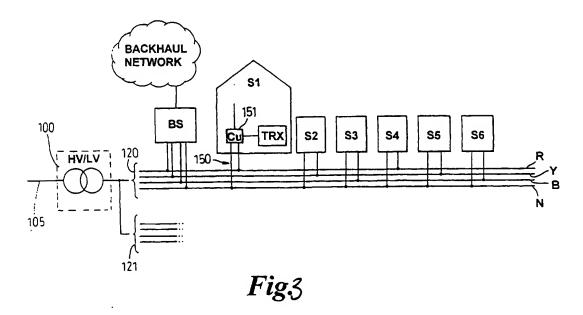
  MC NL PT SE

  Designated Extension States:

  AL LT LV MK RO SI
- (30) Priority: 15.12.1998 GB 9827601
- (71) Applicant: Nortel Networks Limited Montreal, Quebec H2Y 3Y4 (CA)

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   London Road Harlow, Essex CM17 9NA (GB)
- (54) Reception of multicarrier signals over power lines
- (57) An Orthogonal Frequency Division Multiplexed (OFDM) power line communications system comprising a power line for distributing electricity to a plurality of premises and a communication station coupled to the power line at one of the premises, which station uses a

part of the power line external to the premises as a communications medium. The communications station includes a receiver which comprises a clipping system adapted to clip an incoming OFDM data waveform, which includes a regular impulsive noise component, so as to reduce the level of noise on the waveform.





## **EUROPEAN SEARCH REPORT**

Application Number EP 99 30 7702

1	DOCUMENTS CONSIDERED	TO BE RELEVANT		
Category	Citation of document with Indication of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL7)
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E	EP 1 043 874 A (BBC) 11 October 2000 (2000-10 * abstract *	0-11)	1-14	
T	WEILIN LIU ET AL.: "Nat medium and design aspect PLC system" INTERNATIONAL ZÜRICH SER COMMUNICATIONS, 15 - 17 February 2000, XP010376458 Piscataway, US * the whole document *	ts for broadband MINAR ON BROADBAND	1	
•				TECHNICAL FIELDS SEARCHED (Int.CI.7) H04L H04B
	The present search report has been dr	Date of completion of the search		Examiner
X : part Y : part doci A : tech	THE HAGUE  ATEGORY OF CITED DOCUMENTS  coularly relevant if taken alone lockerly relevant if combined with another unent of the same category motoglocal background		ple underlying the ocument, but publiste in the application for other reasons	lished on, or
O : non	-written disclosure rmediate document	& : member of the document		

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 7702

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-03-2002

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82